

Amendments to the Claims:

The listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1. (Currently Amended) An information system, comprising:

an optical signal unit constructed and positioned to capture signals associated with an eye;

a wireless communication unit; and

an output unit, interfaced with said wireless communication unit, constructed and arranged to provide information using a correlation unit constructed to find suitable relationship between said captured signals and additional data[[]], wherein

said optical signal unit is configured and adapted to at least partially capture a corneal reflex of a naturally perceived field of view of said eye, and

said captured signals comprise said at least partially captured corneal reflex.

Claim 2. (Currently Amended) The information system of claim 1, ~~further including an information unit constructed to provide said additional data, and wherein said correlation unit is constructed to determine a presentation relationship of said captured signals and said additional data.~~ comprising a camera constructed and arranged to capture optical signals from said naturally perceived field of view of said eye, wherein said correlation unit is constructed and arranged to determine a correlation between said captured optical signals and said captured signals in said finding of said suitable relationship.

Claim 3. (Currently Amended) The information system of claim 2, ~~1, wherein said correlation unit is constructed to determine said presentation relationship between said captured signals and said additional data in terms of location of said additional data with respect of said captured data.~~ comprising an eye-tracking unit constructed and arranged to project light onto said eye, to capture a portion of said projected light that has been reflected from said eye and to determine, on the basis of said captured portion of light, an orientation of said

eye, wherein said correlation unit is constructed and arranged to employ said determined orientation of said eye in finding said suitable relationship.

Claim 4. (Currently Amended) The information system of claim 1, ~~wherein said correlation unit is constructed to determine said presentation relationship between said captured signals and said additional data in terms of presentation timing of said additional data with respect of said captured data.~~ comprising an eye-tracking unit constructed and arranged to project light onto said eye, to capture a portion of said projected light that has been reflected from said eye and to determine, on the basis of said captured portion of light, an orientation of said eye, wherein said correlation unit is constructed and arranged to employ said determined orientation of said eye in finding said suitable relationship.

Claim 5. (Cancelled)

Claim 6. (Currently Amended) An information system, comprising

an optical signal unit constructed and positioned to capture signals reflected back from at least one eye comprising ~~the~~ a retina;

a field-of-view capturing unit constructed and arranged to capture light from a field of view associated with said retina without capturing a retinal reflex image thereof;

an information unit;

a wireless communication unit; and

an output unit constructed to provide information, at least partially obtained via said communication unit, in cooperation with said information unit as a function of said captured light and in correlation with said captured signals, wherein

said optical signal unit is configured and adapted to at least partially capture a corneal reflex of a naturally perceived field of view of said eye, and

said captured light comprises said at least partially captured corneal reflex.

Claim 7. (Currently Amended) An information system, comprising

a optical signal unit constructed and positioned to capture signals reflected back from at least one eye comprising the retina, said optical signal unit comprising a scanning detection unit constructed to at least partially capture a retinal reflex image of a naturally perceived field of view of said eye ~~said retina;~~

an information unit;

a wireless communication unit; and

an output unit constructed and arranged to provide information, at least partially obtained via said communication unit, in cooperation with said information unit as a function of said captured signals, ~~said output unit being not capable of projecting information onto the retina. wherein~~

said information system does not project electromagnetic radiation onto said retina in the course of said provision of information.

Claim 8. (Currently Amended) An information system, comprising

an optical signal unit constructed and positioned to capture signals reflected back from ~~at least one~~ an eye comprising ~~the~~ a retina, said optical signal unit comprising a scanning detection unit constructed to at least partially capture a retinal reflex image ~~of~~ from said retina during a ~~first~~ scanning operation and carrying out a less comprehensive capture of said retinal reflex image during ~~a later~~ another scanning operation;

an information unit;

a wireless communication unit; and

an output unit constructed and arranged to provide information, at least partially obtained via said communication unit, in cooperation with said information unit as a function of said captured signals, said output unit comprising a scanning projection device constructed to project at least part of said information onto said retina.

Claim 9. (Currently Amended) An information system, comprising

an optical signal unit constructed and positioned to capture signals reflected back from at least one eye without reaching the retina;

an information unit;

a wireless communication unit; and

an output unit constructed and arranged to provide information, at least partially obtained via said communication unit in cooperation with said information unit as a function of said captured signals, said output unit comprising a scanning projection device constructed and arranged to project at least part of said information onto said retina-, wherein

said optical signal unit is configured and adapted to at least partially capture a corneal reflex of a naturally perceived field of view of said eye, and

said captured signals comprise said at least partially captured corneal reflex.

Claim 10. (Cancelled)

Claim 11. (Original) The information system of claim 9 comprising a field-of-view capturing unit constructed to capture visible light from a field of

view associated with the retina without capturing a retinal reflex image thereof;
and said output unit being suitable for providing said information in correlation
with said captured visible light.

Claim 12. (Currently Amended) The information system of claim 9,
wherein

said information system is constructed and adapted to capture optical
signals from a naturally perceived field of view of said eye; and

said ~~function~~ provision of information encompasses a pattern recognition
based on said captured optical signals that yields at least one information key,
and said information keys serve for an information query based on said
information apparatus.

Claim 13. (Currently Amended) An information system, comprising

a signal input unit constructed and positioned to capture at least two
types of signals from an eye respectively chosen from the group of signal types
consisting of signals emanating from said eye and signals that have been
reflected back from ~~at least one~~ said eye;

an information unit;

a wireless communication unit; and

an output unit constructed and arranged to providing information, at least partially obtained and/or provided via said communication unit, in cooperation with said information apparatus as a function of said captured signals, said output unit comprising a scanning projection device constructed to project at least part of said information onto the retina of said eye.

Claim 14. (Cancelled)

Claim 15. (Original) The information system of claim 14 wherein said signal input unit includes a field-of-view capturing unit constructed to capture visible light from a field of view associated with the retina without capturing a retinal reflex image thereof; and said output unit being suitable for providing said information in correlation with said captured visible light.

Claim 16. (Original) The information system of claim 15, wherein said information unit comprises an evaluation module constructed to obtain image

information with regard to said field of view from said captured visible light; and said projection device is constructed to project the image information onto the retina in correlation with said captured signals such that a naturally perceived field of view and projected image information are perceived as a unitary image by the retina.

Claim 17. (Original) The information system of claim 16 wherein said function encompasses a temporal correlation between said provision of information and said captured light.

Claim 18. (Original) The information system of claim 16 wherein said function encompasses a spatial correlation between said provision of information and said captured light.

Claim 19. (Original) The information system of claim 16 wherein said function encompasses a pattern recognition that yields at least one information key, and said information key serves for an information query based on said information apparatus.

Claim 20. (Cancelled)

Claim 21. (New) The information system of claim 7, wherein said information system does not project electromagnetic radiation onto said retina.

Claim 22. (New) The information system of claim 8, wherein said retinal reflex image is a reflex image of a natural scene ambient to said eye.

Claim 23. (New) The information system of claim 8, wherein said is constructed and arranged to project light onto said retina and said retinal reflex image comprises a portion of said projected light that has been reflected from said retina.

Claim 24. (New) An information system, comprising:

an optical signal unit constructed and positioned to capture signals associated with an eye;

a wireless communication unit; and

an output unit, interfaced with said wireless communication unit, constructed and arranged to provide information using a correlation unit

constructed to find suitable relationship between said captured signals and additional data, wherein

said optical signal unit is configured and adapted to at least partially capture a retinal reflex of a naturally perceived field of view of said eye, and

said captured signals comprise said at least partially captured retinal reflex.

Claim 25. (New) The information system of claim 24, comprising a camera constructed and arranged to capture optical signals from said natural scene ambient to said eye, wherein said correlation unit is constructed and arranged to determine a correlation between said captured optical signals and said captured signals in said finding of said suitable relationship.

Claim 26. (New) The information system of claim 25, comprising an eye-tracking unit constructed and arranged to project light onto said eye, to capture a portion of said projected light that has been reflected from said eye and to determine, on the basis of said captured portion of light, an orientation of said eye, wherein said correlation unit is constructed and arranged to employ said determined orientation of said eye in finding said suitable relationship.

Claim 27. (New) The information system of claim 24, comprising an eye-tracking unit constructed and arranged to project light onto said eye, to capture a portion of said projected light that has been reflected from said eye and to determine, on the basis of said captured portion of light, an orientation of said eye, wherein said correlation unit is constructed and arranged to employ said determined orientation of said eye in finding said suitable relationship.

Claim 28. (New) An information system, comprising:

an optical signal unit constructed and positioned to capture signals associated with an eye;

a wireless communication unit;

a camera constructed and arranged to capture optical signals from a natural scene ambient to said eye; and

an output unit, interfaced with said wireless communication unit, constructed and arranged to provide information using a correlation unit

constructed to find suitable relationship between said captured signals and additional data, wherein

said optical signal unit is constructed and arranged to project light onto said eye and to capture a portion of said projected light that has been reflected from a retina of said eye and that is indicative of retinal characteristics of said retina,

said captured signals comprise said captured portion of light, and

said finding suitable relationship between said captured signals and additional data comprises determining, on the basis of the retinal characteristics of which said captured portion of light is indicative, an orientation of said eye.

Claim 29. (New) The information system of claim 28, wherein

said optical signal unit is constructed and arranged to capture, from said eye, an ocular reflex of said natural scene ambient to said eye, and

said correlation unit is constructed and arranged to determine a correlation between said captured ocular reflex and said captured signals in said finding of said suitable relationship.

Claim 30. (New) An information system, comprising

an optical signal unit constructed and positioned to capture signals reflected back from at least one eye comprising a retina;

a field-of-view capturing unit constructed and arranged to capture light from a field of view associated with said retina without capturing a retinal reflex image thereof;

an information unit;

a wireless communication unit; and

an output unit constructed to provide information, at least partially obtained via said communication unit, in cooperation with said information unit as a function of said captured light and in correlation with said captured signals, wherein

said optical signal unit is configured and adapted to at least partially capture a retinal reflex of a naturally perceived field of view of said eye, and

said captured light comprises said at least partially captured corneal reflex.

Claim 31. (New) An information system, comprising

an optical signal unit constructed and positioned to capture signals reflected back from at least one eye comprising a retina;

a field-of-view capturing unit constructed and arranged to capture light from a field of view associated with said retina without capturing a retinal reflex image thereof;

an information unit;

a wireless communication unit; and

an output unit constructed to provide information, at least partially obtained via said communication unit, in cooperation with said information unit as a function of said captured light and in correlation with said captured signals, wherein

said optical signal unit is constructed and arranged to project light onto said eye and to capture a portion of said projected light that has been reflected from a retina of said eye and that is indicative of retinal characteristics of said retina,

said captured light comprises said captured portion of light, and

said provision of information as a function of said captured light comprises determining, on the basis of the retinal characteristics of which said captured portion of light is indicative, an orientation of said eye.